



Sai SAI RAM INSTITUTE OF TECHNOLOGY

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Name : T.THENMOZHI

Designation : ASSISTANT PROFESSOR

Email : thenmozhi.eee@sairamit.edu.in

Qualification : M.E (Ph.D)

Specialization : Power Electronics and Drives

Research Interest : Power Electronics

Experience in years : **Teaching** UG PG **Industry**

No. of Workshop/Conferences/
FDP attended : Workshop Conferences FDP

No. of Workshop/Conferences/
FDP Organized : Workshop Conferences FDP

Professional Membership	IEEE,ISTE,IAENG
Publications	National : JOURNAL-0,CONFERENCE-0
	International:JOURNAL-9,CONFERENCE-2
Research Funded Projects	-
Patents	1. Patent No. 202141002310 Titled “Design and Development of High Efficient Luo converter with fuzzy logic controller for DC Micro grid” Published on 05.02.2021
Achievements	<p>1. Received Rs. 2,000 Cash Award from Sri Sairam Institute of technology for Producing 100% in “Control Systems” Subject in the Year 2010.</p> <p>2. Received Rs. 2,000 Cash Award from Sri Sairam Institute of technology for Producing 100% in “Solid State Drives” Subject in the Year 2017.</p> <p>3. Received Rs. 2,000 Cash Award from Sri Sairam Institute of technology for Producing 100% in “POWER ELECTRONICS” Subject in the Year 2018.</p>
Any Other Information	<p>Attended one month Innovation Ambassador training (Foundation Level) conducted by MoE's Innovation Cell & AICTE during the period from 30th June - 30th July 2021 in online mode.</p> <p>Attended six days Industrial Training at “Kasa Analagen India Pvt Ltd ,Thirumudivakkam ,Chennai</p>

List of Publications:-

International Journals

1. **T.Thenmozhi**, ER Kumar, RM Kumar, D Pothugunta, SM Harish , " Power Quality in a Smart Grid Distribution System Using Automatic OLTC", 2017 International Conference on Electrical, Instrumentation and Communication Engineering (ICEICE2017) "
2. P Leela Jancy, A Lazha, R Prabha, S Sridevi, **T Thenmozhi**, "Hard Exudates Detection for Diabetic Retinopathy Early Diagnosis Using Deep Learning Sustainable Communication Networks and Application" Springer link
3. MV Suganyadevi, **T Thenmozhi**, "Mitigation of Sag/Swell in Transmission by using DVR,"Journal of Next Generation Technology (JNxtGenTech)"
4. C Vimala, **T Thenmozhi**, M Jagadeesh Kumar, C Subramani. "Convolutional Neural Network-Based Automatic Object Detection on Aerial Images Sixth International Conference on Intelligent Computing and Applications
5. **T Thenmozhi**, H Muralidharan, P Kandasamy prabhakaran, "Control of Brushless DC Motor by Voice Command Implementing Machine Learning", Materials Today: Proceedings 46, 3841-3844
6. **T.Thenmozhi**, Mutharasan R, Darshika G, "Speed control of BLDC motor using voice command by implementing machine learning", Test engineering & management" May – June 2020 ISSN: 0193-4120 Page No. 7496 - 7500
7. TR Vignesh, M Swathisriranjani, R Sundar, S Saravanan, **T Thenmozhi** , "Controller for Charging Electric Vehicles Using Solar Energy", Journal of Engineering Research and Application 10 (01), 49-53
8. **T.Thenmozhi**, S.Bskaran,S.Amirtharaj,V.Madhan Kumar," Analysis of Water Observation Using Ardiuno Based on GSM and Wireless Detector Technology", TEST ENGINEERING & MANAGEMENT ,May-June 2020 ISSN: 0193-4120 Page No. 24943 – 24948
9. **T Thenmozhi**, "Elimination of harmonic in a single phase dc-ac converter without filter" ISSN: 2455-2631 © May 2016 IJSDR | Volume 1, Issue 5

List of Patent :

Patent No. 202141002310 Titled "Design and Development of High Efficient Luo converter with fuzzy logic controller for DC Micro grid" Published on 05.02.2021

Workshop / Conferences / FDP Attended:-

1. Attended 7 days FDP on Electrical Machines II at college of Engineering Guindy from 15th to 21st May 2017.
2. Attended two days FDP on Recend trends on renewable Energy & Power Electronics using MATLAB"at AMET University on 15th and 16th sepiember,2017.
3. Attended 7 days FDP on "Basic Electrical Electronics and Instrumentation Engineering"at Velammal Institute of Technology from 29th November to 5th December,2017,
4. Attended two days FDP on TI Analog system design by using ASLK Pro in Anand Institute of Higher Technology on 20th and 21th May 2015.

5. Attended four days short term course on power system state estimation at SRM university on 28th nov 14 to 31st nov 14
6. Attended one day workshop on power quality analysis on 29.9.07 at A.C college of Engg and Technology.
7. Attended two days national level workshop on Labview in Engg application on 23.10.07 to 25.10.07 at A.C college of Engg and Technology
8. Attended two days national level workshop on MATLAB in Engg application on 24.09.07 to 25.09.07 at A.C college of Engg and Technology
9. Attended two days national level workshop on Embedded software development on 18.08.08 to 19.08.08 at A.C college of Engg and Technology
10. Attended one day national level workshop on Embedded systems and VLSI design in electrical engineering on 22.08.09 at PERIYAR university.
11. FDP on Stress Management from NPTEL-AICTE in period July-August 2019.
12. Attended two days FDP on Smart Micro grids and energy storage using Homer and PV Syst on 19.09.19 to 29.09.19 at AMET University.
13. Participated in IEEE Sponsered three days national level workshop on Design Optimization and Analysis of Electrical Machines held during 08th to 10th May 2019 at St Joseph College of Engineering.
14. Attended three days FDP on Cyber Security and Ethical Hacking from 19.04.2020 to 21.04.2020 at AICL.
15. Attended Six Days Online Short Term Training Programme on "Mitigation of Power Quality Issues in Distributed Generation Systems using Custom Power Devices-III" held in RMD Engineering College in 2020
16. Attended AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Engineering" at GANDHI INSTITUTE FOR EDUCATION AND TECHNOLOGY ,BANIATANGI. In 2020
17. Attended AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" at Sri Sairam Institute of Technology in 2020.
18. Attended six days online FDP on Energy Management Systems in RMD engineering college in 2020
19. Attended online one month Innovation Ambassador training” conducted by MoE's Innovation Cell & AICTE in 2021.
20. Attended IEEE madras section faculty Development program on “Advanced reactive power management of Power networks from 05/7/21 to 8/7/21
21. Attended kalam program for IP Literacy and awareness and completed the assessments form 15.10.2020 to 23.10.2020
22. Participated completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Green Technology &Sustainability Engineering" from 2020-12-14 to

2020-12-18

NPTEL Courses Completed:

1. Electronic Waste Management-Issues and Challenges-Jan-Feb-2019- 1/2 Week FDP
2. Recent Advances in Transmission insulators – Jan - Feb 2021- 4 Week Course

Workshop / Conferences / FDP Organized:-

Organized 9th National Level Technical Smposium-WARROS'17 on 24.08.2017.

Conducted One day Guest Lecture titled electric Vehicles on 12.09.2019.

Organised one day webinar on Tamilnadu Student Innovator Award(TNSI)2021 on 4.12.2021

Organised one day webinar on Industrial robotics and its applications on 28.9.2021

Organised one day webinar on Product development phases- Story telling on 08.09.2021

Organised one day online workshop Institutional level Rural Entrepreneurship Development on 17.2.2021